ANSYS® SCADE LifeCycle® 17.0

ANSYS SCADE LifeCycle is a product line of the ANSYS embedded software family of products and solutions. It includes modules combining a unique support for application lifecycle management. This product line features requirements traceability via application lifecycle management (ALM) tools, traceability from models, configuration and change management, automatic documentation generation, and project monitoring.

SCADE LifeCycle enhances the functionality of ANSYS SCADE System®, ANSYS SCADE Suite®, ANSYS SCADE Display®, ANSYS SCADE Solutions for ARINC 661 and ANSYS SCADE Test™ with add-on modules that bridge SCADE solutions and requirement management tools or PLM/ALM (product lifecycle management/ ALM) tools. With SCADE LifeCycle, all systems and software teams involved in critical applications development can manage and control their design and verification activities across the full life cycle of their SCADE applications.
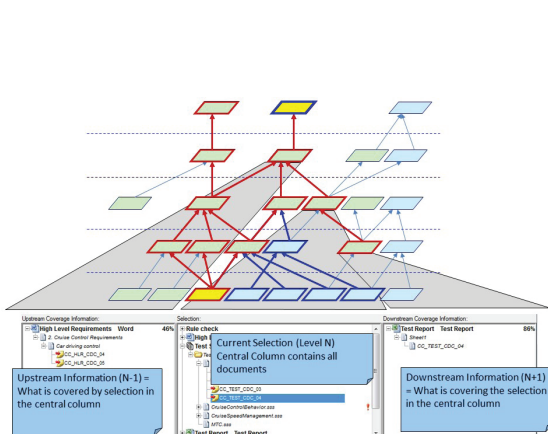
Requirements Traceability

SCADE LifeCycle requirements management gateway provides an integrated traceability analysis solution for safety-critical design processes with SCADE System, SCADE Suite, SCADE Display, SCADE Solutions for ARINC 661, and SCADE Test. It features:
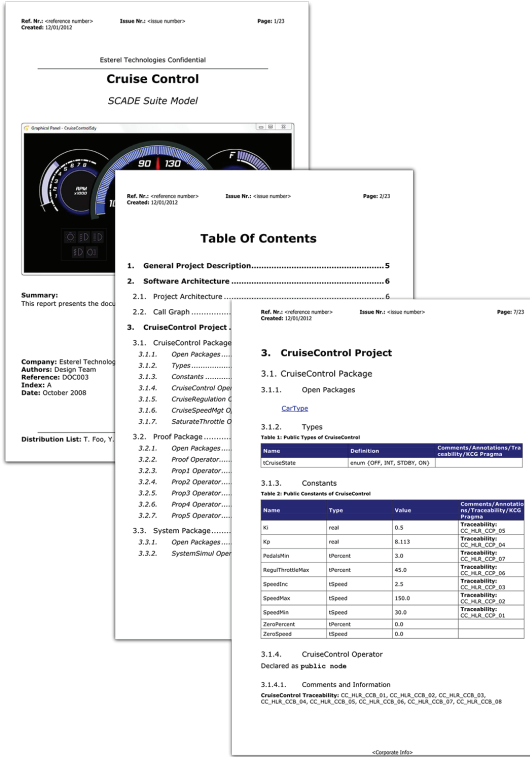
• Connection to ALM tools: linkage to Dassault Systèmes Reqtify 2016
• Bi-directional navigation across requirements and tests
• Graphical creation of traceability links between requirements or other structured documents and SCADE System, SCADE Suite, SCADE Display, SCADE UA page creator for ARINC 661 and SCADE widget creator for ARINC 661 models
• Traceability of test cases from SCADE Test environment projects
• Propagation of traceability information to test harnesses (RTRT, LDRA, VectorCAST)
• Compliant with DO-178B, DO-178C, EN 50128, IEC 61508, ISO 26262 and IEC 60880 standards

Project Documentation Generation

SCADE LifeCycle reporter automates the time-consuming creation of detailed and complete reports from SCADE Suite, SCADE Display, SCADE System, and SCADE UA page creator for ARINC 661 designs:

• Generation of reports in RTF or HTML formats
• Customization of report content and display
• Customization of generic report templates based on TCL scripting language
• Setting common documentation standards
• Reporter qualified as a verification tool under DO-178B and as DO-330 TQL-5 tool under DO-178C for SCADE Suite and SCADE Display applications
• Reporter certification data available from ANSYS
• Integration with SCADE LifeCycle application Lifecycle management gateway for reporting traceability information at model level

Configuration and Change Control

ANSYS SCADE LifeCycle configuration management gateway allows integration of SCADE Suite and SCADE Display models in a configuration management environment such as IBM Rational Synergy, IBM Rational ClearCase®, Serena Dimensions CM and PVCS®, CVS, or Microsoft Visual Source Safe™.

• Support of source code control integration (SCCI) standard
• Data stored in ASCII format
• Common management commands, such as check in/check out directly accessible from SCADE Suite and SCADE Display editors

ANSYS SCADE LifeCycle Product Line

SCADE LifeCycle Configuration Management Gateway

SCADE LifeCycle Dashboard

SCADE LifeCycle Reporter

Contact

Contact one of our sales representatives at
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ansys.com/Products/Embedded-Software

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, touched a mobile device, crossed a bridge or put on wearable technology, chances are you've used a product where ANSYS software played a critical role in its creation. ANSYS is the global leader in engineering simulation. We help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and engineer products limited only by imagination.
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